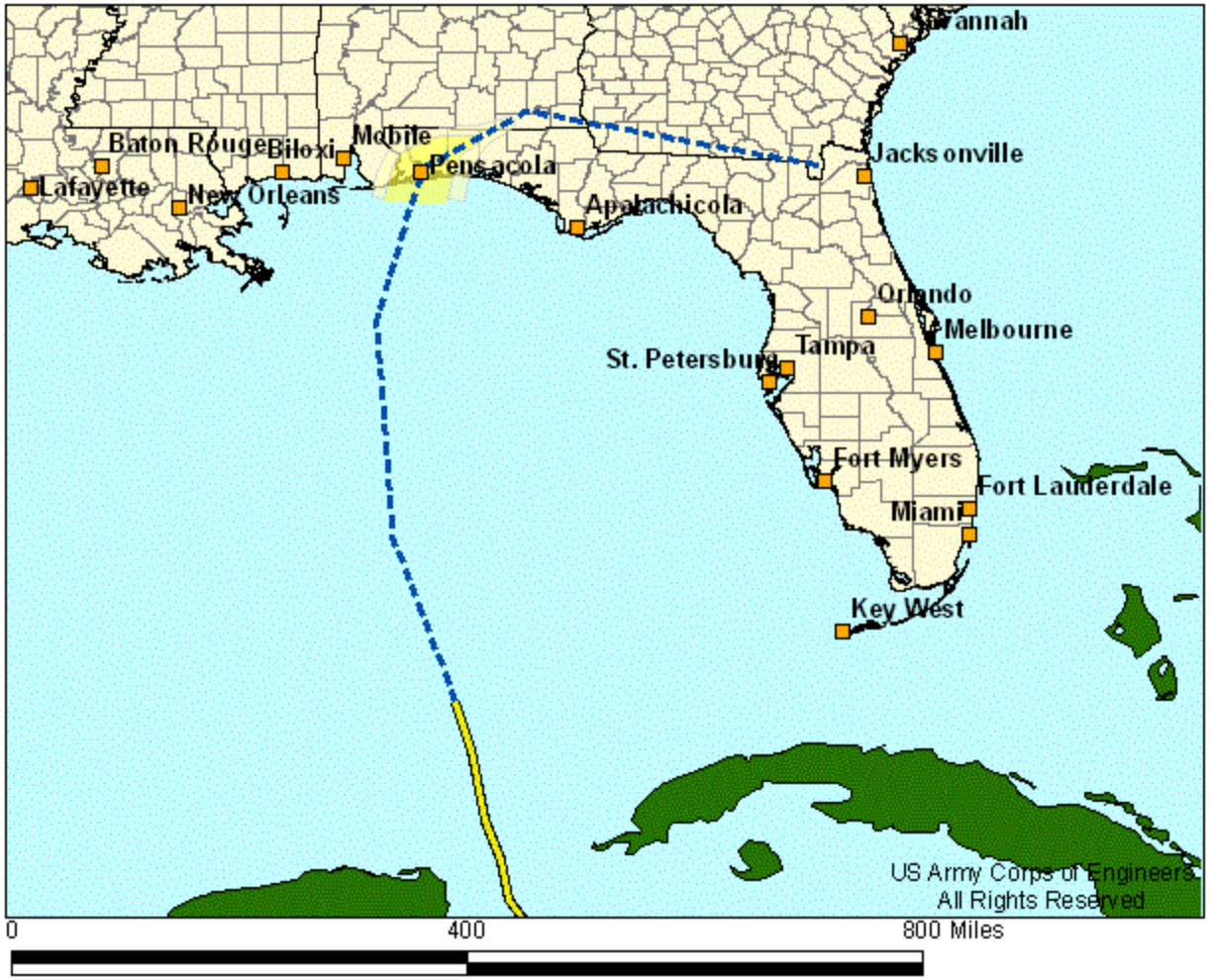
US Army Corps of Engineers

Hurricane Ida Projected Damage Areas

Landfall Expected In About 32 Hours

For Planning Purposes Only!



Post Landfall Projected Damage Areas

This model is based on a Category 1 storm making landfall near Pensacola, FL.

Forecast Track
Historic Track

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a projected or actual Category 1 storm making landfall near Pensacola, FL. These projections are based on information from the NHC (2200 EDT 11/08/2009) forecast and extrapolated by LRL staff to represent a landfall condition that has either occurred or may occur in the near future.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Ida Projected Damage Areas	
Generated By: Siemsen, LRL 2230 EDT 11/08/2009	
Sources: HURREVAC LRL-DEBRIS	Page 1 of 11

US Army Corps of Engineers

Hurricane Ida Debris Model

Landfall Expected In About 32 Hours

For Planning Purposes Only!

Post Landfall Debris Model Results

Florida - 1,320,000 Yards
Alabama - 94,000 Yards

Model results per County on following page

This model is based on a Category 1 storm making landfall near Pensacola, FL.

Forecast Track
Historic Track

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 1 storm making landfall near Pensacola, FL. These projections are based on information from the NHC (2200 EDT 11/08/2009) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Ida Debris Model	
Generated By: Siemsen, LRL 2230 EDT 11/08/2009	
Sources: HURREVAC LRL-DEBRIS	Page 2 of 11

US Army Corps of Engineers

Hurricane Ida Debris Model

Landfall Expected In About 32 Hours

For Planning Purposes Only!

State	Yards per State	County	Yards per County
Alabama		Baldwin County	83,000
		Covington County	4,000
		Escambia County	< 1,000
		Geneva County	7,000
Alabama	94,000		
Florida		Escambia County	667,000
		Holmes County	< 1,000
		Okaloosa County	250,000
		Santa Rosa County	386,000
		Walton County	17,000
Florida	1,320,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Ida Debris Model

Generated By:
Siemsen, LRL 2230 EDT 11/08/2009

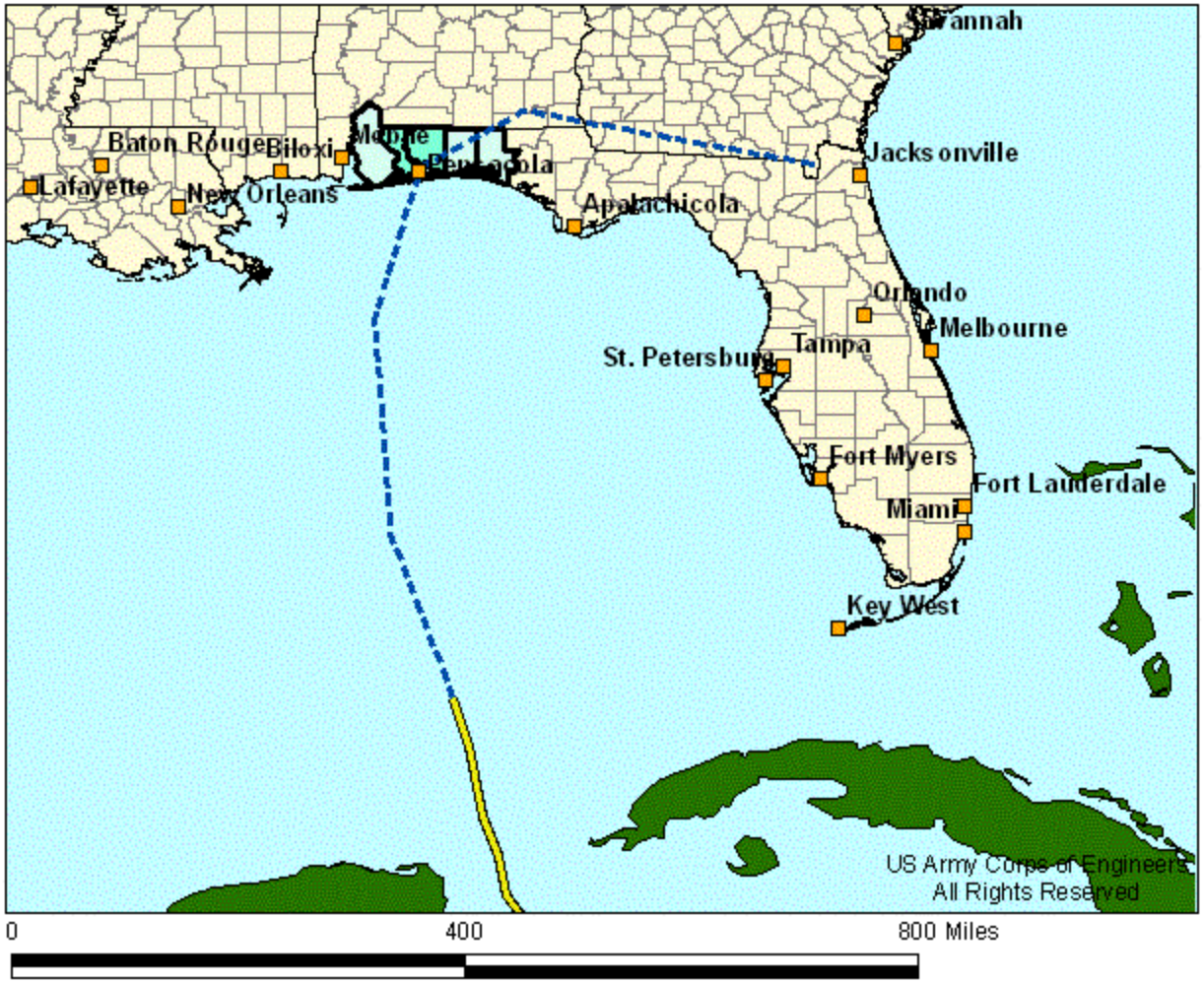
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Ida Commodities Model

Landfall Expected In About 32 Hours

For Planning Purposes Only!



Post Landfall Water Model Results

Day One / Day Two / Day Three
Florida – 5/9/18 Truckloads
Alabama – 1/1/1 Truckloads

Model results per County on following page

This model is based on a Category 1 storm making landfall near Pensacola, FL.

Forecast Track
Historic Track

Commodities
- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 1 storm making landfall near Pensacola, FL. These projections are based on information from the NHC ***(2200 EDT 11/08/2009)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents daily needs with a ramp-up in the distribution system – three days for Points of Distribution (PODs) to be fully in place and operational. Volume shown is for each commodity – water and ice. Commodity need may be supplied by multiple agencies and/or sources.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Ida Commodities Model	
Generated By: Siemsen, LRL 2230 EDT 11/08/2009	
Sources: HURREVAC LRL-DEBRIS	Page 4 of 11

US Army Corps of Engineers

Hurricane Ida Commodities Model

Landfall Expected In About 32 Hours

For Planning Purposes Only!

State	Truckloads per State	County	Truckloads per County
Alabama		Baldwin County	1
Alabama	1		
Florida		Escambia County	10
		Okaloosa County	2
		Santa Rosa County	5
		Walton County	1
Florida	18		

Source: US Army Corps of Engineers, All Rights Reserved

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested daily needs based on full deployment of a commodities distribution system. Volume shown is for each commodity – water and ice. Commodity need may be supplied by multiple agencies and/or sources.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Ida Commodities Model

Generated By:
Siemsen, LRL 2230 EDT 11/08/2009

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Ida Temporary Roofing Model

Landfall Expected In About 32 Hours

US Army Corps of Engineers

For Planning Purposes Only!

Post Landfall Temporary Roofing Model Results

Florida - 3,700

Model results per County on following page

This model is based on a Category 1 storm making landfall near Pensacola, FL.

Forecast Track
Historic Track

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 1 storm making landfall near Pensacola, FL. These projections are based on information from the NHC (2200 EDT 11/08/2009) forecast. Temporary roofing is based on 2% in CAT 1.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Ida Roofing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 6 of 11

US Army Corps of Engineers

Hurricane Ida Temporary Roofing Model

Landfall Expected In About 32 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Alabama		Baldwin County	< 100
Alabama			
Florida		Escambia County	2,200
		Okaloosa County	400
		Santa Rosa County	1,100
		Walton County	< 100
Florida	3,700		

Temporary roofing is based on 2% in CAT 1.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Ida Roofing Model

Generated By:
Siemsen, LRL 2230 EDT 11/08/2009

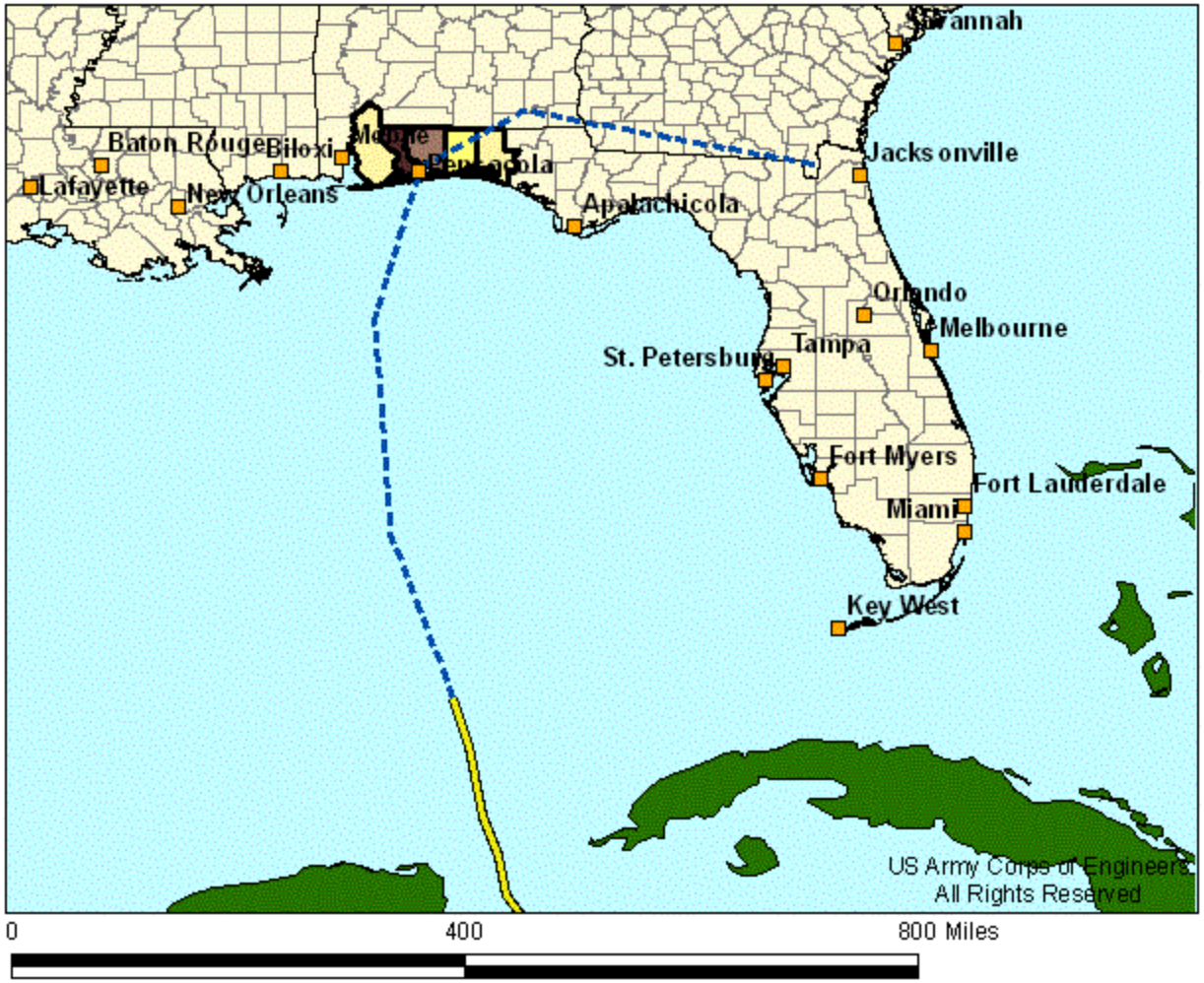
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Ida Population Model

Landfall Expected In About 32 Hours

For Planning Purposes Only!



Post Landfall Population Model Results

Florida - 477,000
Alabama - 8,000

Model results per County on following page

This model is based on a Category 1 storm making landfall near Pensacola, FL.

Forecast Track
Historic Track

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 1 storm making landfall near Pensacola, FL. These projections are based on information from the NHC (2200 EDT 11/08/2009) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2008 values).

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Ida Population Model	
Generated By: Siemsen, LRL 2230 EDT 11/08/2009	
Sources: HURREVAC LRL-DEBRIS	Page 8 of 11

US Army Corps of Engineers

Hurricane Ida Population Model

Landfall Expected In About 32 Hours

For Planning Purposes Only!

State	Population per State	County	Population per County
Alabama		Baldwin County	8,000
Alabama	8,000		
Florida		Escambia County	288,000
		Okaloosa County	46,000
		Santa Rosa County	143,000
		Walton County	< 1,000
Florida	477,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2008 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Ida Population Model

Generated By:
Siemsen, LRL 2230 EDT 11/08/2009

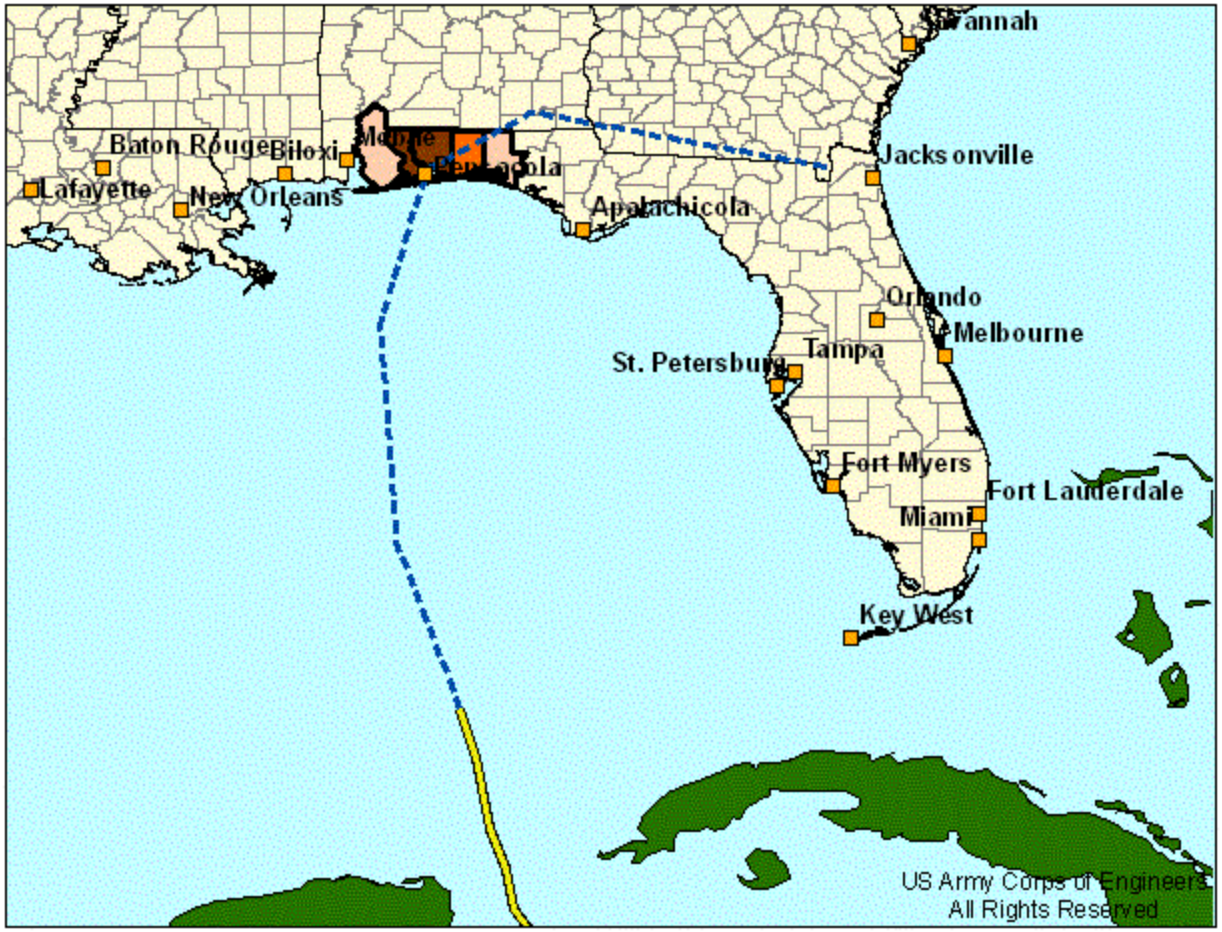
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Ida Households Model

Landfall Expected In About 32 Hours

For Planning Purposes Only!



Post Landfall Households Model Results

Florida - 180,000
Alabama - 4,000

Model results per County on following page

This model is based on a Category 1 storm making landfall near Pensacola, FL.

Forecast Track
Historic Track

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 1 storm making landfall near Pensacola, FL. These projections are based on information from the NHC (2200 EDT 11/08/2009) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2008 values).

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Ida Households Model	
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Sources: HURREVAC LRL-DEBRIS	Page 10 of 11

US Army Corps of Engineers

Hurricane Ida Households Model

Landfall Expected In About 32 Hours

For Planning Purposes Only!

State	Households per State	County	Households per County
Alabama		Baldwin County	4,000
Alabama	4,000		
Florida		Escambia County	110,000
		Okaloosa County	17,000
		Santa Rosa County	53,000
		Walton County	< 1,000
Florida	180,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2008 values.

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Hurricane Ida Households Model

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Sources:
HURREVAC
LRL-DEBRIS